

Converting Colors

$Y_{xy}(50.8832, 0.4732, 0.4718)$

Have a look what the booklet for
Yxy(50.8832, 0.4732, 0.4718)
contains.

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Color

Yxy(50.8806, 0.4684, 0.4663)

Conversions

Conversions Part 1

Format	Color
Hex	ECB500
RGB	236, 181, 0
RGB Percent	93%, 71%, 0%
CMY	0.0746, 0.2901, 1.0000
CMYK	0.00, 0.23, 1.00, 0.07
HSL	46°, 100%, 46%
HSV	46°, 100%, 93%
XYZ	51.1097, 50.8806, 7.1252
YIQ	176.8110, 90.8810, -44.6310

Conversions

Conversions Part 2

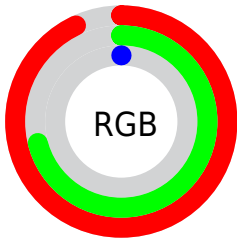
Format	Color
R _Y B	72, 236, 0
Decimal	15512832
CIE Lab	76.61, 7.43, 79.07
CIE LCh	77, 79.419, 84.635
Yxy	50.8806, 0.4684, 0.4663
Android (android.graphics.Color)	4293702912 (0xFFECB500)
YUV	176.8110, -87.1678, 51.9088
Hunter-Lab	71.3306, 3.0700, 44.0089

Details

The Yxy color **50.8806, 0.4684, 0.4663** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **8.7831, 0.1565, 0.0833**, and the grayscale version is **44.2937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8601, 0.4168, 0.4689**, and **24.8145, 0.4746, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **50.8832, 0.4684, 0.4663**, and if you desaturate by 10%, it is **53.2271, 0.4598, 0.4669**.

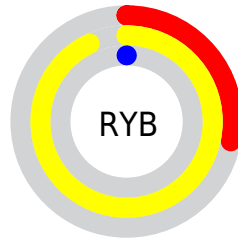
Distribution



Red (93%)

Green (71%)

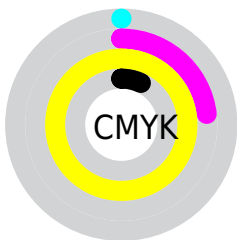
Blue (0%)



Red (28%)

Yellow (93%)

Blue (0%)

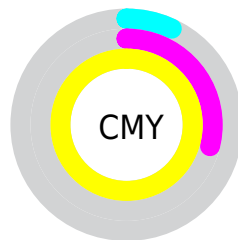


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8806, 0.4684, 0.4663 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 50.8806, 0.4684, 0.4663 by changing the saturation by 10% instead.


 50.8806, 0.4684,
0.4663

 50.8806, 0.4684,
0.4663


390.0997, 0.4015,
0.4107


 36.1136, 0.4799,
0.4746


 91.4783, 0.4478,
0.4501


 24.5219, 0.4916,
0.4821


 118.0777, 0.4389,
0.4428

 15.7212, 0.5062,
0.4910


 149.3901, 0.4309,
0.4362

 9.3271, 0.5115,
0.4885

 185.7998, 0.4237,
0.4301

 4.9552, 0.5170,
0.4830

 227.6912, 0.4173,
0.4245

 2.2210, 0.5259,
0.4741

 275.4487, 0.4115,

 0.7314, 0.5452,

0.4195

0.4548

329.4568, 0.4063,
0.4149

0.0000, 0.0000,
0.0000

50.8806, 0.4684,
0.4663

50.8806, 0.4684,
0.4663

50.8832, 0.4684,
0.4663

53.2271, 0.4598,
0.4669

55.7385, 0.4484,
0.4633

58.4428, 0.4342,
0.4548

61.3558, 0.4177,
0.4420

64.4903, 0.3998,
0.4259

■ 67.8582, 0.3812,
0.4075

■ 71.4698, 0.3628,
0.3878

■ 75.3347, 0.3450,
0.3678

■ 79.4620, 0.3282,
0.3480

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8806, 0.5176, 0.3927



50.8806, 0.4684, 0.4663



50.8806, 0.3834, 0.5230

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.8806, 0.4684, 0.4663



50.8806, 0.1519, 0.2908



50.8806, 0.3097, 0.2075

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.8806, 0.4684, 0.4663



8.7831, 0.1565, 0.0833

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.8806, 0.2178, 0.1805



50.8806, 0.4684, 0.4663



50.8806, 0.1406, 0.2136

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.8806, 0.4684, 0.4663



50.8806, 0.2014, 0.4108



50.8806, 0.1622, 0.1806



50.8806, 0.4210, 0.2576

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8806, 0.4684, 0.4663



50.8806, 0.3187, 0.5267



50.8806, 0.1622, 0.1806



50.8806, 0.2754, 0.1957

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.8832, 0.4684, 0.4663



85.1690, 0.3630, 0.3881



18.1050, 0.6016, 0.3088



17.8320, 0.3708, 0.3965



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.8832, 0.4684, 0.4663



60.5645, 0.4686, 0.4661



68.8664, 0.3722, 0.5427



16.9976, 0.3274, 0.3470



28.2614, 0.4674, 0.4671



2.3632, 0.4594, 0.4734

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



8.7831, 0.1565, 0.0833



10.3881, 0.1563, 0.0827



7.1090, 0.1651, 0.0683



15.1182, 0.2980, 0.3104



5.0060, 0.1572, 0.0857



0.5367, 0.1642, 0.1112

Previews

White Background



This preview shows how the Yxy color 50.8806, 0.4684, 0.4663 looks on a white background.

Color Contrast Check

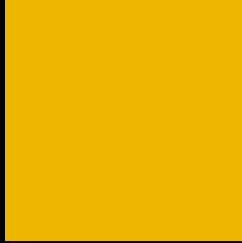
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 50.8806, 0.4684, 0.4663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8806, 0.4684, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 50.8806, 0.4684, 0.4663.



This preview shows how white text looks on a background with the Yxy color 50.8806, 0.4684, 0.4663.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.8806, 0.4684, 0.4663

Protanopia

51.1496, 0.4395, 0.4865

Deuteranopia

50.6128, 0.4719, 0.4613



Tritanopia

50.7539, 0.3724, 0.3150

Trichromacy



Original Color

50.8806, 0.4684, 0.4663

Protanomaly

51.0878, 0.4497, 0.4793

Deuteranomaly

50.8328, 0.4705, 0.4633

Tritanomaly

50.0022, 0.4282, 0.3917

Monochromacy



Original Color

50.8806, 0.4684, 0.4663

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.0388, 0.3859, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8806, 0.4684, 0.4663 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 181, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.8806, 0.4684, 0.4663 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 181, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 181, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 181,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8806, 0.4684, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 181, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
181, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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